



UNIVERSITY OF ALBERTA

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Shooting for the stars

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Deflating health hype

Tim Caulfield debunks health and fitness fads

Professor emeritus pens first book on Edmonton Grads

Geoff McMaster

It is a story of triumph unparalleled in Canadian sports history. While scarcely remembered today, the international glory of this almost unbeatable group of young women easily equalled the Eskimos and Oilers sports dynasties of many decades later.

The Edmonton Grads basketball team, most of them graduates of the city's McDougall Commercial High School, dominated the sport between 1915 and 1940 under their legendary coach, Percy Page. Their remarkable talent prompted the game's inventor, James Naismith, to call them "the finest basketball team that ever stepped out on the floor."

Before Edmonton was officially the City of Champions, these champions truly put the city on the map. Now, for the first time, their story is laid out in meticulously researched detail in *The Grads are Playing Tonight!* by M. Ann Hall, professor emeritus of the U of A's Faculty of Physical Education and Recreation.

“To me, this wonderful work by author M. Ann Hall is like opening a time capsule.”

Terry Jones

During their 25-year run, the Grads won 380 of 400 games—a staggering 95 per cent win record. Only seven teams were able to score 50 or more points against them in a single game. Edmonton had a population of just 60,000 in the early 1920s, but 6,000 people turned out to cheer for the Grads. The team travelled more than 200,000 kilometres in Canada, the United States and Europe, crossing the Atlantic three times to defend world titles.

Hall taught for three decades at the U of A until the late '90s, also

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A brand new day for health care



Covering 152,400 square metres, the Edmonton Clinic Health Academy will be home to more than 8,000 students and 2,000 staff in 43 programs.

Edmonton Clinic Health Academy opens on campus

Geoff McMaster and Kate Eccles

The sun rose on a new era in health education and research this week with the official opening of Edmonton Clinic Health Academy. Seven years in the making, the academy promises to transform health care by providing a state-of-the-art facility for researchers, students and health educators to freely share knowledge. It is poised to become a world hub for advanced technology and discovery.

“This clinic is demonstrating innovation in research and education; it’s demonstrating collaboration,” Alberta Premier Alison Redford said at the opening ceremony Jan. 18. “And what it’s developed into is a symbol for this province of what we’re committed to as Albertans.”

The Edmonton Clinic Health Academy (ECHA) was conceived to meet major health challenges of the coming decades, including an aging population, an increase in chronic illness among young populations and a predicted massive shortage of skilled health-care professionals. Central to the academy’s mission is a recognition that health care must shift from a disease model to a more holistic vision focused

on keeping people well—preventing illness and caring for the whole person.

“The future of health education is multi-dimensional and inter-professional,” said U of A President Indira Samarasekera. “It’s about bringing together students and teachers in every health discipline to share ideas, techniques and approaches and find new ways to practise their professions so all Albertans can benefit.”

The facility itself—a huge, colourful building on the west side of 114th Street across from the University of Alberta Hospital—is 190 metres long and provides 152,400 square metres of space. By 2016, it will house more than 8,000 students and 2,000 staff in 43 programs.

ECHA’s design fosters a progressive, communal approach to research and education, embracing the sharing of ideas across disciplines by bringing together teams of investigators from different backgrounds to solve the most urgent health problems of our time. Its approach to teaching fuses high-tech with “high-touch” humanistic values, training students to become more caring and compassionate practitioners who thrive in teams.

“The plan was to make the University of Alberta a global leader in inter-professional learning and scholarship—to relocate students from their rather isolated buildings in faculties across campus and bring them together in a building designed to promote accidental encounters between disciplines, professions and cultures,” said Martin Ferguson-Pell, dean of the Faculty of Rehabilitation Medicine.

Brightly lit common areas encourage students, faculty and staff to draw together and create a kind of “main street” community. The Discovery Mall at the heart of the academy provides 2,500 square metres of highly flexible space for faculty research teams. Furniture, and even walls, can be moved to suit the needs of a specific project.

A community spirit infuses every square foot of ECHA. The Student Commons atrium features casual seating, offices for student leaders, quiet study areas and a large patio for spring and summer barbecues. It is home to 12 health science groups and associations, including the Health Science Students’ Association (HSSA).

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folio

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Team called among greatest in history

Continued from page 1

serving as chair of the women's studies program in the Faculty of Arts, and has since published on the topic of women in Canadian sports. *The Grads are Playing Tonight!* is published by University of Alberta Press.

“They won their games on outdoor and indoor courts of all sizes...their records were established with only two evening practices a week.”

Ann Hall

“They won their games on outdoor and indoor courts of all sizes,” writes Hall, “on courts with glass backboards and no backboards, in low-ceiling halls allowing little loft to the ball, in all kinds of weather, and under all conditions. Their records were established with only two evening practices a week, since every Grad held a full-time job, usually in an Edmonton business.”

How was such amazing success possible? The coach claimed there was no system. It was simply about stripping down to fundamentals: shooting accurately, passing fluidly and moving as a team rather than as individuals.

“Thousands of fans have imagined that the Grads have a whole hatful of streamlined, magical

razzle-dazzle plays, the key to which no opposing team or fan could ever find. The Grads certainly give that illusion,” wrote Harold Cruickshank, an observer of the team in its heyday.

“They specialize in baffling short passes, pivots, tricky cut-ins, aerial and bounce passes and a myriad of other eye-bulging shifts and shots, but they are merely perfected elemental plays.”

The Grads, much like today's national women's hockey team, regularly played against men's squads to hone their skills, often beating them. They also played against the U of A's varsity team, against which they set the record for their highest score, 136, in 1934.

The team disbanded in 1940, mainly because the government needed the Grads' arena for training during the Second World War. Over the years, the team of 36 players passed away; only two of them, Kay MacRitchie MacBeth and Edith Stone Sutton, are still alive. Sutton celebrated her 100th birthday in Edmonton last year. Writes *Edmonton Sun* sports columnist Terry Jones of *The Grads are Playing Tonight!*: “To me, this wonderful work by author M. Ann Hall is like opening a time capsule. What makes this book exceptional, I think, is the scholarly research approach, which was required at this time for no other reason than to make this now so-difficult-to-believe story believable.” ■

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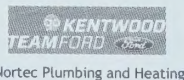


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According to basketball's inventor, James Naismith, the Edmonton Grads were “the finest basketball team that ever stepped out on the floor.”



Call for Consultation

By the Dean Selection Committee, Faculty of Science

Dr. Taylor has announced that he will step down as Dean of the Faculty of Science, ending his term effective June 30, 2012. In accordance with GFC regulations, a selection committee has been established.

At this point, the Selection Committee is calling for opinion on the leadership needs of the Faculty in the years ahead and on any other key issues. Individuals are urged to contact members of the Committee, or write to me as Chair, to express their views on priorities of the Faculty, current issues, and the future direction of the Faculty. All feedback may be shared with the Selection Committee. In order to facilitate the Committee's work, **please submit your comments by Friday, February 10, 2012.**

In addition, individuals who wish to stand as a candidate are invited to apply. Individuals may also nominate others who they feel would be suitable candidates.

The selection of a Dean is vital to the success of the Faculty. I would therefore ask all interested persons, who have some stake in the outcome of this process, to take the time, even at this busy point in the academic year, to give some thought to the future of this Faculty. Your views are important to us. Thank you for your assistance.

Please forward your comments to the address below or to any member of the Dean Selection Committee (contact information at right).

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Exchange program has student shooting for the stars

Jenna Hoff

Mechanical engineering student Marcy Frioult is barely able to keep her feet on the ground these days after being accepted to an international exchange project where she'll help build and launch a sounding rocket.

"I don't think I've ever been as excited to go anywhere as I am to go on this trip," says Frioult, who joins four other University of Alberta students travelling to the Andoya Rocket Range in Norway as part of the Canada-Norway Student Sounding Rocket (CaNoRock) exchange program January 16–20. A sounding rocket, or research rocket collects data for analysis during its flight.

Frioult hopes to find an engineering career in the aerospace industry. The CaNoRock experience

will help. Undergraduate students from the universities of Alberta, Calgary, Saskatchewan and Oslo will gain hands-on experience in rocket and payload instrument design.

"It will have a huge impact on my future plans. I am really looking forward to meeting people with similar interests, and people who work in the field I am interested in," said Frioult, a fourth-year student in the engineering co-op program.

CaNoRock allows students to add aerospace experience to their studies, says mechanical engineering professor Carlos Lange, co-founder of the U of A's Institute for Space Science, Exploration and Technology.

"It offers students a unique opportunity to participate in a real rocket launch, giving them

"It offers students a unique opportunity to participate in a real rocket launch, giving them insight into the preparation process and the very intense teamwork required for a successful mission."

Carlos Lange

insight into the preparation process and the very intense teamwork required for a successful mission," says Lange, whose own engineering design work was flown to Mars as part of NASA's 2008 Mars Phoenix Lander mission.

"The competition serves as a strong motivator for better grades and excellence, not only to the selected students, but also to the ones that were not selected in one competition. These students know they can improve their chances in a following

opportunity, because we have two competitions per year," he says.

It's the perfect opportunity for Frioult, who has also been conducting research with mechanical engineering professor Alidad Amirfazli since last summer in a project aimed at developing an anti-icing system for composite aircraft wings.

"My favourite part about the education I have received so far is when I started to be able to apply what I have learned to real



Marcy Frioult is spending five days this month at the Andoya Rocket Range in Norway building a sounding rocket.

situations. For example, in my research job, you have to be able to understand the physics behind it to understand what the data we collect means," Frioult says. "Once you learn all of these principles and theories, you never really look at things the same way." ■

Good wingmen will gladly fib for a friend

Jamie Hanlon

It could be called the wingman theory or the Barney Stinson principle (after the character played by Neil Patrick Harris on the hit TV show *How I Met Your Mother*). A University of Alberta



Jennifer Argo

researcher says that—like Barney, who spends much of his time trying to find his single friend a mate—people are generally willing to help a friend protect or enhance his reputation or save face in a social situation.

Along with colleagues from the University of Calgary and UBC, Jennifer Argo, an Alberta School of Business professor, explored the circumstances under which people would be willing to tell a lie to manage another person's social image. The study found that, like Barney, the wingman is primed to step in with strategic identity support.

"This is an instance when you don't have the opportunity to make yourself look good, so somebody else does it for you," says Argo. "So you're better off to hang out with your friends [in these situations] because your friends will look out for you."

Argo studied the likelihood of people helping out a friend who paid more for a car than another person did. Regardless of the size of the price discrepancy, she says, friends are willing to come to the rescue. In the case of a large discrepancy, even strangers may be willing to help a person save face as a random act of kindness.

"People put themselves in the shoes of the other person and say, 'I would want someone to lie on my behalf so I wouldn't look bad,'" she says.

"It comes down to what kind of relationship you have with the person in need. I think it is truly defined by the level of your friendship."

Jennifer Argo

Argo says the key is for the person needing help to be present during the conversation between the friend and the third party. Otherwise, she notes, the only time they might be willing to fib on behalf of the absent friend is in the case of a large price discrepancy.

"It comes down to what kind of relationship you have with the person in need. I think it is truly defined by the level of your friendship," Argo says. "If it's the best friend, I think most people would lie, even at the risk of possibly being found out."

She says the wingman tendency may well apply in business settings—a friend helping a pal get a job, for example—or at a party, where embroidering the truth could get a buddy a first date.

"Based on the findings, it would seem reasonable to expect that people who understand their friends should be willing to step in as a wingman in a number of different contexts if their friends are in need," Argo says. ■

Leading-edge simulation labs recreate true-to-life emergency scenarios

Continued from page 1

ECHA is also equipped with state-of-the-art labs in a range of disciplines to create real-life emergency simulations for an unparalleled learning experience. A planned immersive lab, reminiscent of a "holodeck," is on track to be one of the most sophisticated learning simulation labs in the world. Like a theatre, it will blend digital technology with actors, mannequins and soundtracks to recreate realistic scenarios—complete with day or night conditions—such as an ambulance experience, crash scene or natural disaster.

The Bariatric Lab, the first in Canada, will engage a wide range of health professionals in tackling one of the country's fastest-growing problems—obesity. And the Rehab Robotics Lab will help people living with disabilities better treat and manage their own care.

"What a clinician needs is to examine their patient in the real world, but to also have all the equipment and control provided within a laboratory," says the lab's co-founder and co-director, Greg Kawchuk. "Using robotics and virtual reality, we can do just that—recreate the real world inside the lab to better understand a patient's problems. Then we can use those same tools to design individualized interventions that maximize a patient's healing, recovery and functions."

"We asked what it would really take for the university, this province, to be out front," says U of A Provost Carl Amrhein. "Edmonton Clinic Health Academy is our answer. It's Alberta's engine for health innovation, and we believe it has the capacity to transform the way we think about health care."

See page 7 for more on ECHA. ■

"[ECHA] is Alberta's engine for health innovation, and we believe it has the capacity to transform the way we think about health care."

Carl Amrhein

Are You a Winner?

Congratulations to Cynthia Paszkowski of the Department of Biological Sciences for correctly identifying the museum showcase (featuring naturalist Dewey Soper) in the centre wing, 2nd floor, of the Biological Sciences Centre. For her correct identification, Cynthia has won a silver mug and \$5 gift certificate to Tim Horton's.

The prize this week is a pen with a pull-out map of the Centennial Centre for Interdisciplinary Sciences. To win, simply identify where the object pictured is located and email your answer to folio@ualberta.ca by noon on Monday, Jan. 30, and you will be entered into the draw.



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U of A poised to transform health care the open door

Carl Amrhein

The official opening of Edmonton Clinic Health Academy, celebrated this past Wednesday, marks the culmination of years of planning and the dedicated efforts of many. My thanks to Jane Drummond, vice-provost, Health Sciences Council, and the many staff and faculty involved for their hard work and commitment to ECHA. In particular, let me congratulate and thank all of the staff in the offices of the Health Sciences Council, the university architect, and planning and project delivery (Facilities and Operations), whose leadership efforts were instrumental in bringing the project in under budget and on time.

The vision of ECHA is to make the University of Alberta a global leader in inter-professional learning and scholarship. To that end, we have relocated students and faculty from buildings across campus and brought them together to promote both co-ordinated and accidental encounters among disciplines, professions and cultures, and to turn our promise of inter-professional teaching into a reality.

As Martin Ferguson-Pell, dean of Rehabilitation Medicine and chair of the Health Sciences Council, told the audience at the opening, the Discovery Mall within ECHA has been designed to enable faculty and trainees to form collaborative teams to tackle the many challenges we face in health care. We have created

unique specialist laboratories, such as the Smart Condo and the Rehabilitation Robotics Laboratory, for researchers and clinicians interested in developing teams to tackle new approaches to patient care. We

“The vision of ECHA is to make the University of Alberta a global leader in inter-professional learning and scholarship.”

Carl Amrhein

have constructed patient simulators and clinical learning labs equipped with audiovisual control rooms to enable lab sessions to be recorded and student skills critiqued.

With the building now in place, our attention will turn to fulfilling the more ephemeral, but more important, elements of our new vision of health education and research. I expect that the tasks that lie ahead will continue to spark stimulating discussions around the rethinking of disciplinary practices. Challenging yet intellectually interesting work is still to be done in terms of developing more interdisciplinary and inter-professional courses and curricula that include students throughout

the health sciences; fostering, enabling and supporting collaborative teaching and research projects; and removing barriers in the system that inadvertently prevent or cripple the pursuit of interdisciplinary work both inside and outside the classroom.

In addition to changes within our academic community, we are developing strategies and avenues to engage with experienced clinicians, health-care administrators and policy-makers outside the academy in new and diverse ways. We now have the capacity to create a forum where their thinking—and ours—can be challenged by new ideas. In future, they can bring problems to the academy—and the academy to them—and solutions can be developed in partnership with our talented professors and trainees.

And, finally, we are now in the enviable and exciting position of becoming leaders in a global movement towards interdisciplinary and inter-professional education and practice. How can we embrace this role to the greatest effect? How can we most productively reach out to international partners and share newfound methods and expertise? I look forward to working with you on these questions and more, as we move into the next stage of providing excellence in health education and research at the U of A. ■

Time has come to encrypt data

Folio Staff

University of Alberta faculty and staff will be using encryption on all mobile devices, including laptops, tablets, phones and memory sticks. This includes all university-owned equipment, as well as any non-university devices that contain university information.

The first phase of the encryption project begins immediately and will focus on laptops, says Jonathan Schaeffer, vice-provost of information technology.

The university is developing a plan for data encryption to comply with provincial requirements and align with best practices. Alberta's Office of the Information and Privacy Commissioner and the Office of the Auditor General require all organizations to encrypt data on their mobile computing devices if storing personal or sensitive information.

Schaeffer says there is always the risk of lost or stolen laptops, mobile devices and storage drives containing sensitive information. “If we are not attentive in meeting our management obligations and responsibilities, issues can arise that can damage the university's reputation.”

With the help of local IT support staff and Academic Information and

Communications Technologies (AICT), all faculties, departments and units must start encrypting university laptops, Schaeffer says. An encryption standard and encryption instructions are available (see URL below). Personally owned and other external laptops storing university personal and/or sensitive information must also undergo disk encryption according to the standard.

“It is important to acknowledge that disk encryption alone is not a panacea for information privacy and security assurance. Awareness of risks, and diligently handling and managing university information, is a key requirement,” says Schaeffer.

Schaeffer's office is also working with a number of faculties, including the Faculty of Medicine & Dentistry, on data encryption appropriate to their specific needs.

See the Mobile Computing Security website for the encryption standard, instructions and other details: <http://vpit.ualberta.ca/encryption>. ■

“If we are not attentive in meeting our management obligations and responsibilities, issues can arise that can damage the university's reputation.”

Jonathan Schaeffer

Striking a balance in student misconduct

Geoff McMaster

Sometimes, you just have to shake your head. In one reported case of plagiarism at the U of A, a student was caught passing off whole paragraphs of his instructor's published work as his own in a course essay.

As the gravity of offence began to sink in, the student confessed to the professor with dismay: “I paid good money for that paper.”

Cases of academic misconduct of that magnitude are easy to assess, especially when there is a clear-cut admission of guilt. But sometimes the circumstances are considerably murkier, and that's where the Office of Student Judiciary Affairs (OSJA) comes in.

Staffed by two discipline officers, the OSJA hears academic cases forwarded by deans across campus and non-academic cases forwarded by University of Alberta Protective Services. Non-academic charges account for about 80 per cent of the caseload, and most of those are minor infractions involving drunk and disorderly behaviour, possession and use of drugs and vandalism. More serious charges, such as those involving assault, may involve the criminal justice system, as well.

Only the most serious academic charges are dealt with by the office—those that come from a dean's office with a recommendation for suspension or expulsion. “Very often it stops at the dean,” says OSJA director Deborah Eerkes. “The student gets an F in the class or a fail on the assignment. But if it's serious enough to warrant suspension or expulsion, then it comes to our office for another go-around before a final decision is made.”

“These things have a huge impact on a student's life and career, so we want to make sure it gets a second look.” All decisions by the OSJA office can be appealed to the University Appeal Board, which will do a full rehearing of the case.

Last year, the OSJA passed down a total of 64 discipline decisions, including 11 suspensions, seven exclusions (barring someone from a part of campus) and one expulsion. Those decisions all hinge on a standard of proof called the “balance of probabilities,” which, simply put, means weighing whether the infraction is more likely to have happened than not. If there are

two explanations for what happened, says Eerkes, it's the more likely one that rules, even if there may remain some doubt.

“We always hope for more evidence than less; we don't like to make a decision on that 51 per cent line. So there are cases where you have to make decisions based on the credibility of the witnesses, because that's all you have.”

There are some cases, for example, where a student turns in work of consistent quality all year, then suddenly submits something radically superior: “Even if we can't track the source, there is a possibility of still finding that person to have committed an offence against the code, says Eerkes.

“We have to be careful with those, because we don't want to punish a student for simply improving. But if a student goes from sub-undergrad to PhD-level writing, with nothing in between, you might want to call them in and ask them to explain.”

One student, says Eerkes, pleaded a photographic memory and claimed to have simply regurgitated a passage in an essay without knowing it. “It's very rare, but not outside the realm of possibility,” she says. “We had one student who was actually able to prove it.”

The bulk of the OSJA's workload falls under prevention. That includes designing and running the Academic Integrity Program, which informs people about what constitutes academic misconduct. Eerkes also chairs the Coalition for Action on High-Risk Drinking and is currently working on a program for the prevention of hazing. Last year, she helped establish the new restorative justice program in campus residences. “We're hoping this will actually create more ownership and community,” she says, “so people understand that when they do something, it impacts everyone.”

The Office of Student Judiciary Affairs is available to anyone who wants support or resources to better understand the code of student behaviour and how the adjudication process works. Consult its website for more information at www.uofaweb.ualberta.ca/osja/. ■



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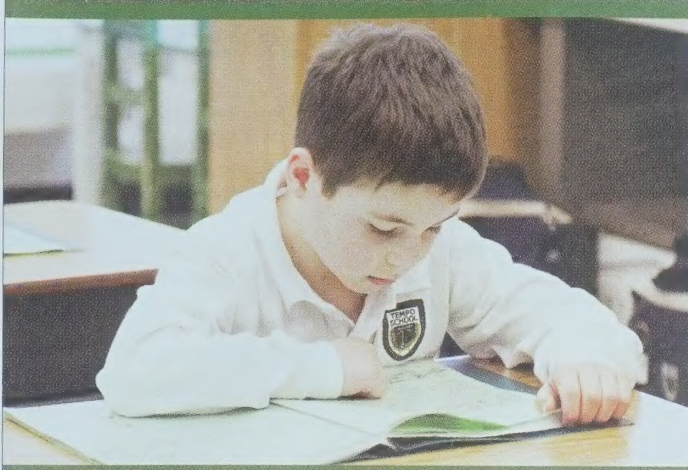
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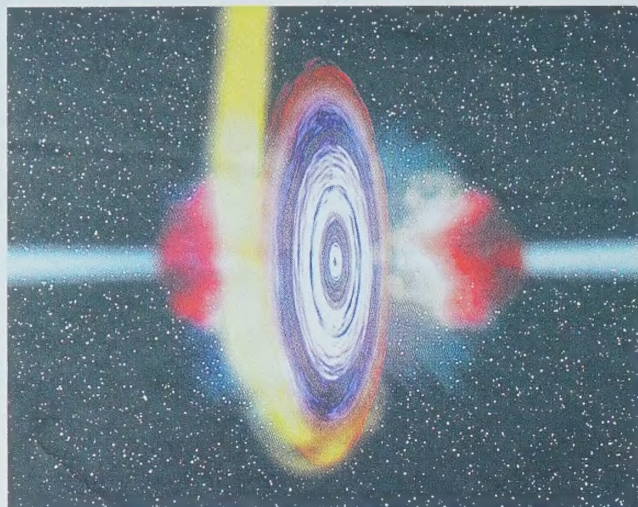
Physicist seeks to explain enigma of why black holes belch

Jamie Hanlon

Forget the Big Bang theory on the origins of the universe. University of Alberta physicist Greg Sivakoff is looking to find the secrets of the Big Burp theory.

Using land-based observation stations and the RXTE satellite, which specializes in observing high-energy events, Sivakoff and a team of researchers were able to predict a black hole's giant plasma belch to within a day of the event. The belch is actually a bipolar jet of plasma (ionized gas) that discharges particles from the centre of an accretion disc, a structure that moves material toward its centre—in this case, the black hole. This galactic belch ejects particles, scattering them amongst stars and planets, and may also affect magnetic fields in the galaxy.

Sivakoff says that by exploring their sample black hole, H1743-322, he and his team hope to explain why the black hole launches gas jets as well as their relation to the accretion discs. They hope to clarify some of the jets' effects on the formation and development of the galaxies in our universe. This particular black hole is optimal for study because it launches gas



Black holes frequently discharge ionized gas at a quarter the speed of light, producing in one hour energy equivalent to what the sun produces in five years.

jets about every eight months.

Understanding this object's digestive troubles may help answer questions about these incidents.

"We understand that these black holes are 'burping' this material out," Sivakoff says. "We want to understand how it's related to their meal and what they're eating, and to understand what the effects of this 'burp' are on the environment around them."

To illustrate the magnitude of the event, Sivakoff explains that the jet is travelling at one-quarter the speed of light, which would be equivalent to a half-hour trip from the Earth to the sun. Given the distance these bursts can reach, it's a good thing this one is about 28,000 light years from us. Also noteworthy is the amount of energy this galactic case of indigestion produces. "In one hour, stellar-mass black

holes like H1743 can produce as much energy as the sun produces in five years," Sivakoff says. "But this is miniscule compared to what goes on at the centre of galaxies, where some behemoth black holes that are millions to billions of times more massive are also launching jets. Hopefully stellar-mass black holes like H1743 will act as Rosetta stones, helping us understand these behemoths that may help shape galaxies."

The black hole's meal is preceded by a burst of X-ray energy that emanates from the disc and lasts through the entire serving. This burst, while not evident to the naked eye, is easily captured by satellite RXTE. The team's research found a pulsation in the X-ray light, as if the disc were humming a note. An instability in the disc leads to it dumping material—the meal—into the black hole. That material moves inward and orbits the black hole faster, which Sivakoff says is the likely cause of the increasingly higher-pitched tone his team could hear coming from the disc in the days leading up to the hole launching its plasma jet. Once the jet had ejected, the pulse fell silent.

"This material is moving around the disc, which is causing that periodic signal," he says. "Something is likely happening in the magnetic

fields as it moves. That leads to the jet launch and seemingly leads to the disappearance of this sound's oscillation."

"We want to understand... what the effects of this 'burp' are on the environment around [black holes]."

Greg Sivakoff

Sivakoff says the way plasma jets are launched remains a mystery, so tying the oscillations with the launch would be a big clue toward understanding the phenomenon. "It's beginning to look like these things are very closely connected," he says, adding that his team's recent prediction was the most accurate determination yet of when jet ejecta would be launched from a stellar-mass black hole.

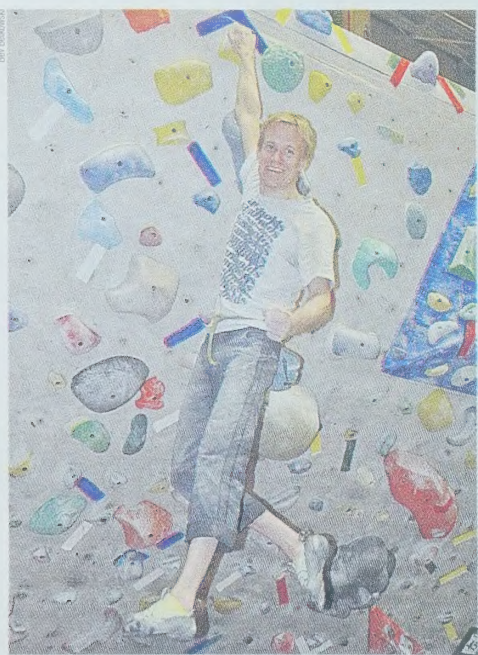
"Jets and discs are universal phenomena. We see them around young stars, stellar-mass black holes and super-massive black holes," he says. "What's going to be important is checking to see whether other stellar-mass black holes in our galaxy undergo the same behaviour." ■

Meet the keeper of the climbing wall

Bev Betkowsky

Seth Johnston is climbing the walls, but for him, that's a good thing.

As supervisor of the University of Alberta Climbing Wall, Johnston considers himself fortunate to be able to blend a lifelong passion for climbing with his everyday work.



Seth Johnston, also known as the White Puma

Tucked behind a grilled gate in the corner of the Butterdome, the U of A's sprawling climbing wall serves not just university staff and students but is also a bedrock training facility for Edmonton's climbing community and for the general public.

Johnston is "tremendously proud" of the 23-year-old facility, which falls under the Faculty of Physical Education and Recreation. "I am gratified and humbled to be the steward of this facility."

The U of A wall, which stands 15 metres at its loftiest, is studded with whimsical handholds and footholds, in the shapes of gorillas, tongues, moons and even elephant trunks. Everyone who uses it loves it, especially Johnston. He began scaling it as a budding

young athlete when the wall first opened. In fact, he volunteered to help build it.

Since then, Johnston has been a multiple Canadian champion in sport climbing (roped climbing on 50'-60' walls), bouldering (power climbing with no rope on 15'-20' walls) and speed climbing (racing to the top against opponents), earning him the moniker "the White Puma" in climbing circles.

Coming from a family of climbers, Johnston started climbing at age 13 in the mountains around Canmore. "I wanted to be one of the best climbers in the world," he says. "I love the feeling I get when I'm climbing—calm, focused and in control of my movement. I feel elated."

Johnston was so devoted to the art of climbing he spent 10 years building an international business that manufactures climbing holds, now run by his wife. Together, the couple worked to produce a premium brand that's widely recognized in the world of indoor climbing. He became supervisor of the U of A wall almost three years ago and has put his business experience to good use. Along with handling the budget and staff for the cost-recovery operation, Johnston also ensures that the facility reflects U of A values by serving the greater public good.

Every Wednesday, U of A students are offered an afternoon of free climbing on the wall, rental equipment included. Students can also take two Physical Activity Courses (PAC) for credit that focus on wall climbing. Johnston says these classes fill up almost immediately.

The U of A's Steadward Centre also will be using the wall with some of its physiotherapy clients.

The appeal of climbing is widespread, attracting everyone from children to seniors, Johnston says. "It is a neat sport intellectually, because everything is a puzzle. It exercises the body and the mind, and it's this successful convergence that allows you to break through to the next ability level," he says. And not everyone blossoms in a team sport or competitive setting; climbing is a non-adversarial sport. "I see a lot of shared ideas when I watch a group of climbers working together," he says.

Johnston appreciates that same feeling of shared creativity on the job at the U of A. "There is a tremendous synergy," he says, "in working with the passionate and driven people with whom I have the good fortune to share my workplace." ■

staff spotlight

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ECHA links variety of disciplines from across university

Folio staff

Researchers in every corner of the university—from such far-flung disciplines as law, visual design, industrial design, physical education, recreation and pharmacy—are taking up the challenge of Edmonton Clinic Health Academy to help shape the health and well-being of people everywhere in the coming decades. In just a few examples:

- Industrial designers are creating new digital models with computers and sculpting lifelike 3D prosthetics for patients. Medical practitioners work with sculptors to build an almost-lifelike prosthetic ear, for example, that can be implanted to simulate bones, cartilage and flesh. The university is becoming a leader in this area. Collaboration with surgeons is leading to new advances that can reduce the number of surgeries

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- Community Engagement
- Continuous Professional Learning
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Nursing

School of Public Health

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Rehabilitation Medicine

- Rehab Robotics Lab

Agricultural, Life and Environmental Sciences

- Nutrition

Health Sciences Council

- Health Sciences Education and Research Commons (HSERC)
- Interdisciplinary Health Research Academy (IHRA)

12 student associations and groups

- Legal scholars are looking at some of the important legal and societal implications of the fast-growing, complex and contentious phenomenon of stem cell

tourism. While there is much excitement surrounding the potential of stem cell research—including treatments for conditions like Alzheimer's, cancer, diabetes and brain-stem injuries—this research is still largely in its infancy, and there is insufficient evidence as yet regarding safety and

efficacy. Nonetheless, patients and parents all around the world travel widely to pursue unproven stem cell treatments unavailable at home. When patients elect to pursue these treatments, a whole range of concerns arises, including issues of public policy.

- U of A researchers in physiology, rehab medicine and kinesiology are engaged in exciting and novel inquiries at the intersection of

of exercise is most beneficial for various conditions.

- The U of A's groundbreaking Arts and Humanities in Health and Medicine program, one of the most comprehensive of its kind in Canada, recognizes that increasing specialization and the overwhelming patient loads most practitioners are managing day-to-day put medicine at risk of becoming depersonal-



Alberta Premier Alison Redford and U of A President Indira Samarasekera arrive at the official opening of the Edmonton Clinic Health Academy Jan. 18.

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exercise and medicine. For a host of chronic problems such as obesity, cardiac disease, depression and disability, exercise is a critical driver in enhancing quality of life, elevating mood and social interaction, controlling symptoms and—in some cases—reversing the effects of certain conditions. These researchers are using evidence-based approaches to investigate what type and amount

ized. Medical humanities is a groundbreaking and relatively new interdisciplinary field combining humanities (literature, philosophy, ethics, history and religion), social science (anthropology, cultural studies, psychology and sociology) and the arts (literature, theatre, film and visual arts), as they apply to the field of medical education and practice.

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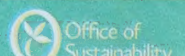
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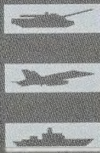
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Facing some hard truths about health and fitness fads

Geoff McMaster

Tim Caulfield was accustomed to regular exercise, six days a week since the age of 12. He naturally assumed he was in great shape, with low body fat and pretty solid muscle.



Tim Caulfield "walked the walk" in doing research for *The Cure for Everything*.

"Wrong, wrong, wrong," confesses the U of A professor of health law. In the course of writing his latest book on health fads—called *The Cure for Everything: Untangling the Twisted Messages about Health, Fitness and Happiness*—Caulfield discovered that much of his training was missing the mark, he was eating too much and he had way too much fat on his body.

It's sobering news for those of us who manage to fit moderate exercise into our lives but aren't fitness fanatics. It turns out, according to Caulfield's research, that it

takes way more work and far fewer calories than we might think to get into decent shape.

Caulfield should know. In addition to filtering through the deafening noise of information on health that bombards us in popular culture and media and assessing solid research on various alleged health remedies, he used himself as guinea pig for much of what he writes about.

"I tried to live every chapter," he says. He went to L.A. to suffer through the gruelling fitness regimen of a renowned Hollywood trainer, went on a diet designed with the help of his Fitness Advisory Committee (FAT), had his DNA sequenced and took all kinds of remedies—homeopathic and pharmaceutical.

"Underneath all of that, though, is good research," says Caulfield. "I interviewed people from all over the world and tried to reveal the truth. And not just the truth but the forces that twist the truth. Why are we told so many strange things about our health? Why do we hear that bacon is good for you one day and then the next that it's pure poison? What are the social forces and commercial pressures?"

"There are also those twisting influences that reside within all of us, stemming from desire and a preconceived notion of what we look like and what we want to look like. I explore all of those things and try to come up with some really

simple recommendations, because when you strip it all away, it's pretty simple, and stuff we've known for a really long time."

"Our society is so obsessed with the esthetic and working out for the purpose of looking good, and that's the wrong message."

Tim Caulfield

Not surprisingly, Caulfield found the vast majority of health and fitness fads are a waste of time and money. The simple truth, he says, is that the best thing you can do for your health is exercise—the more the better. To be truly fit, however, you have to regularly work yourself into a state so breathless you can't talk.

"Forget the long, slow runs," he says. Ten minutes of interval training (short spurts of going hard) is as good as an hour of moderate exercise, according to one study.

Why do we believe moderate exercise is all you need? Partly because that's what companies that sell fitness products want you to believe, says Caulfield.

"There's also a public health concern. It's hard to tell people you have to work hard, because people will say, 'If I have to work

hard to stay fit, I'm not going to do anything.'" The Canadian Participation campaign is a case in point, he says. "It's all about getting people moving," if not much else.

If he had to pick the two most important health messages, Caulfield says the first and fairly obvious, would be to stop smoking. The second: work out hard, placing as much emphasis on resistance training as aerobic activity, especially as you age.

"You get so many health benefits from working out, even if you don't get a physiological change. Our society is so obsessed with the esthetic and working out for the

purpose of looking good, and that's the wrong message."

Don't think of working out as the road to losing weight. Appetite increases, and it's very difficult to work out enough to cause a significant calorie deficit, says Caulfield. There's no getting around it: the only way to lose weight is to eat less.

"The road to good health is simpler than we are often led to believe. In some ways, this is liberating.... It is not necessarily an easy path to follow, but if you can parse the twisted messages that bombard us daily, you'll find that the way is surprisingly direct." ■

Wharton returns to the 'Perilous Realm'

Geoff McMaster

It has been a long wait for the release of the second novel in Thomas Wharton's fantasy trilogy for young readers. But the University of Alberta professor of creative writing says he hopes the four-year interval has made for a better book.

"I'm pretty happy with it," says Wharton of *The Fathomless Fire*, the sequel to his 2008 *The Shadow of Malabron*. "Because of the time I spent on it, the story took some interesting, surprising directions—I think it's a pretty exciting book."

In the first novel in the series, Wharton's boy hero, Will Lightfoot, starts his journey in our world and ends up in the Perilous Realm, a world where stories come from. "He meets various characters who seem to come from familiar stories," says Wharton. "There's a wolf, for instance, whose own backstory is like Little Red Riding Hood."

"I've always been interested in story itself—what it is, how it works and why we love stories and live by them. So it's an exploration of that.... People love these traditional stories and love to see them replayed and played with."

In *The Fathomless Fire*, Will returns home but can't stop thinking about the characters he met in the Perilous Realm. One day, he receives a message from the realm that one of his friends may be in danger, so he returns, and complications ensue.

When Wharton decided to write fantasy for young adults, it seemed like a departure from his usual fare.

But as he points out, all of his previous works—*Icefields* (1995), which won the Commonwealth Writers' Prize for best first book; *Salamandar*, shortlisted for the Governor General's Literary Award; and *Logogryph*, a short-story collection shortlisted for the 2006 IMPAC-Dublin Prize—all contain elements of the fantastic. "They just seem now to be getting further and further away from what we call the real world."

Wharton started writing for a younger audience when his own three kids began taking an interest in his writing. He didn't feel they'd appreciate his adult novels, so he came up with something that catered more to their tastes.

Now he says he has no problem calling himself a fantasy writer. He recalls resisting the label when U of A English professor Doug Barber once called *Salamandar*, concerning an 18th-century quest for the infinite book, a fantasy novel. "I said, 'No, no, it's not!' But actually, yes, it is. That seems to be the territory I like to work in. I just love to make up my own worlds."

It hasn't been easy remaking himself in the book industry. "The kids who I heard from really liked *The Shadow of Malabron*, but critics and reviewers were quiet. It was like I started all over again as a writer. I was known for writing these adult books of a particular kind, and now I'd gone into a new genre. It was like people were saying, 'Who is this guy?'"

The third book in the Perilous Realm is now also completed, says Wharton. It's undergoing a few edits before its release, hopefully within a year. He adds he's also entertaining a few other ideas for both young and adult fiction. ■



Thomas Wharton

Student finds better way to collect grizzly DNA

Bev Betkowski

Reeking piles of goo and clumps of hair sound like a bathroom nightmare, but University of Alberta master's student Sarah Rovang is mixing both into a research project to help Alberta's grizzly bears.

Using bait piles of rancid beef blood mixed with canola oil, logs and moss, Rovang has been luring grizzly bears into barbed-wire corrals in the Rocky Mountain foothills in the Hinton area to snag hair samples that can be analyzed for DNA. All in all, it's nose-wrinkling work but very worthwhile, Rovang says. "We got used to it, though it was entertaining when we told other people what we were doing."

This fixed method of gathering DNA samples is not only less invasive than capturing and collaring the lumbering animals, but Rovang, a graduate student in the Department of Renewable Resources, is researching whether it is also a less costly monitoring method for conservation groups and government.

"We get an idea of which bears are on the landscape and where they are, so we can create a database of the population and monitor trends with time and responses to conservation actions."

Sarah Rovang

"It is important to find more cost-effective ways for long-term monitoring, and a network of fixed sample plots could be one way to do that," Rovang says.

Listed by the province in 2010 as a threatened species, grizzlies are thought to number fewer than 700 in Alberta. Rovang's research will help determine whether the number of bears in the province is rising, dropping or staying constant.

The one-strand wire corrals in her project are spread over 1,500 square kilometres in the Hinton, Cadomin and Robb areas, on the fringes of Jasper National Park. Over four months of fieldwork beginning in the spring

of 2011, 664 tufts of bear hair were gathered from 60 different snag sites for lab analysis.

The DNA harvested from both the coarse guard hair and soft undercoat of the grizzlies will provide clues as to gender, identify individual bears and ultimately reveal population trends.

"We get an idea of which bears are on the landscape and where they are, so we can create a database of the population and monitor trends with time and responses to conservation actions," says Rovang, whose work is based out of the U of A's Applied Conservation Ecology Lab. Rovang's work is funded by grants from the Natural Sciences and Engineering Research Council, the Alberta Conservation Association and by the Foothills Research Institute.

She is also field-testing other hands-off methods of DNA sampling—swabbing bear scat to collect cells and gathering hair from rub trees to supplement the specimens collected from the wire corrals.

Rovang, who grew up in Edson, earned an undergraduate degree in conservation biology from the U of A. Being raised in the shadow of the Rockies, she has a natural love of wildlife and hopes her research will result in more data-rich conservation efforts for the grizzly population.

"When you have a species that is listed as threatened, you want to begin monitoring as quickly as possible, before it is too late." ■



Sarah Rovang removes grizzly hair from a barbed wire enclosure.

Celebrating the contributions of outstanding staff

Folio Staff

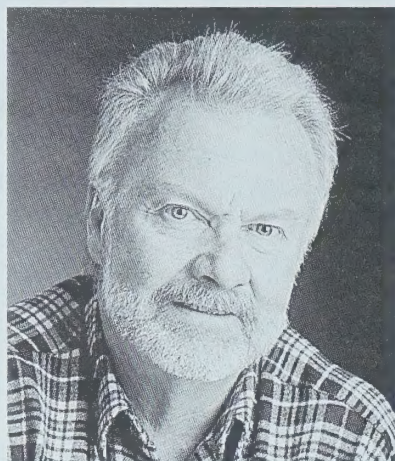
At the recent Celebration of Service Award ceremony, two members of Facilities and Operations received recognition awards—George Thomlison, manager, grounds, Human Resources and Procurement, and Chris Fukushima, residence area co-ordinator for Lister Hall.

A man of the people

Those who work with George Thomlison, winner of this year's Academic Professional Officer Recognition Award, know he brings the best of himself to his work and, in doing so, brings out the best in those he is in contact with. His convictions, values and beliefs regularly align with the portfolio's shared vision for the university; he believes passionately in this institution and what it can accomplish.

Although not one to bask in the limelight, George is a true ambassador for the university and a valued team player who participates with vigour while listening to other points of view.

His dedication contributes to a positive culture for his co-workers and colleagues, and his outside-the-box thinking ensures Facilities and Operations, and the university, continue to be leaders in innovative solutions as George and his team continue the search for products and equipment that, in his words, "save time, make staff more efficient and provide better service."



George Thomlison

Building relationships

Chris Fukushima, winner of the 2011 Support Staff Recognition Award, regularly contributes to a positive culture for his co-workers and students and brings the best of himself to work each day—rain, shine or snow.

He takes the time to build respectful, collegial and trusting working relationships with those he interacts with, and his thoughtful perspective helps projects develop and succeed. He is also committed to student learning and development and to contributing to the profession as a whole through involvement in associations.

"I really enjoy the interaction with students and being able to provide them with a positive experience during their time on campus."

Chris Fukushima



Chris Fukushima

Says Fukushima, "I really enjoy the interaction with students and being able to provide them with a positive experience during their time on campus."

Like Thomlison, Fukushima is a strong ambassador for the university. He exemplifies and promotes the values of this institution while being a friendly face to students and staff. ■

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Call for Consultation

By the Dean Review Committee,
Faculty of Rehabilitation Medicine

Dr. Martin Ferguson-Pell's current term as Dean, Faculty of Rehabilitation Medicine will end on June 30, 2012, and he has indicated he will seek a second term in office. In accordance with University regulations, a Review Committee has been established.

At this point, the Review Committee is calling for opinion on the state of the Faculty of Rehabilitation Medicine under the leadership of the current Dean. All input must in writing and signed or sent by e-mail; however, members of the community may ask the Provost to have their input circulated to the committee without attribution. Individuals are urged to contact members of the Committee, or write to me as Chair, to express their views on priorities of the Faculty, current issues, and the future direction of the Faculty. All feedback may be shared with the Review Committee. In order to facilitate the Committee's work, **please submit your comments by Friday, February 17, 2012.**

Specifically, the Committee is interested in the following:

- Leadership** – ability to provide a vision and direction for the Faculty and achieve its strategic goals;
- Management** – fairness, balance and effectiveness in decision-making affecting the direction of the Faculty and effectiveness in setting priorities and dealing with issues;
- Personnel Management** – issues dealing with the recruitment and retention of staff, as well as the administration of all personnel within the Faculty;
- Contributions** – the contributions of the Dean within the Faculty, the University, the Community (including alumni), and professional fields;
- Development** – the success of the Faculty in achieving its goals with resources available and the effectiveness of the Dean in seeking outside funding through fund development and advancement activities;
- Communications** – the effectiveness of both internal and external communications;
- Other matters.**

In addition, a 'Public Forum' will be held on **Tuesday, February 7, 2012, from 12:00 to 1:00 p.m. in Room 1-190 Edmonton Clinic Health Academy (ECHA).** At the Forum, the Dean will discuss his vision of the Faculty of Rehabilitation Medicine for the next five years. Dean Ferguson-Pell's review is based on the position description in effect at the time of his appointment.

Your views are important to us and we are grateful for your assistance. Please forward your comments to the address below or to any member of the Dean Review Committee (contact information below).

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Provost and Vice-President (Academic)
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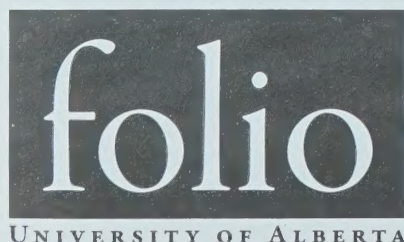
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Human rights defender advocated for North Americans of Japanese descent

Jamie Hanlon

Gordon Hirabayashi, a former University of Alberta sociology chair and professor—and a protector of human rights for Canadians and Americans of Japanese descent—died Jan. 2 at the age of 93.

Born on April 23, 1918, in Seattle, Washington, to Japanese immigrants, Hirabayashi was attending the University of Washington at the start of the Second World War. Shortly after Japanese forces attacked Pearl Harbor in 1941, then-president Franklin D. Roosevelt signed an executive order affecting people of Japanese ancestry. The order included such measures as curfews and internment. Hirabayashi considered the executive order unconstitutional and he peaceably defied the order to relocate to an internment camp. In 1943, United States Supreme Court heard his case and he was ordered to serve three months in jail.

Hirabayashi was later sentenced to more time in prison for rejecting induction into the military on the grounds that it required him to

take an oath renouncing Emperor Hirohito, a requirement that he said was racially discriminatory.

Following the war, Hirabayashi completed his master's and doctoral degrees in sociology at the University of Washington. Unable to find work in the United States due to his wartime convictions, he taught at the American University of Beirut and the American University in Cairo before being hired at the University of Alberta in 1959 as a member of the fledgling sociology department. He served as head of the department from 1963 to 1969 and was appointed its first chair in 1969 (to 1970). He remained with the department until his retirement in 1983, but was still active as an emeritus into the early 1990s.

"He was connected with the university for over 30 years," says Harvey Krahn, professor and chair (on leave) in the department of sociology. Krahn, who started his tenure with the university as Hirabayashi was nearing retirement, remembers him as being a skilled administrator. Under his tenure, the Population Research Lab was created and the

department was arguably one of the top three sociology programs in the country.

"He really shaped the [sociology] department in the ways he hired but also with his strong emphasis on research."

Harvey Krahn

"Gordon left his imprint on the department in terms of bringing in some top scholars in various areas of study," he says. "He really shaped the department in the ways he hired but also with his strong emphasis on research."

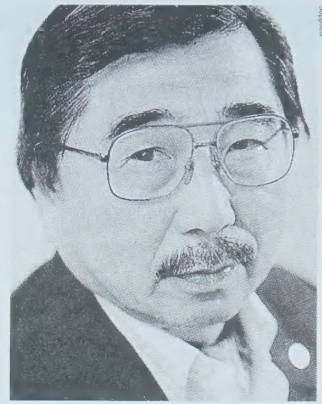
Social justice was a strong element in Hirabayashi's life and shaped his areas of interest, including research on Russian Doukhobours and Jordanians in British Columbia and political awareness in Egyptian villages. Yet he never lost sight of seeking redress for the wartime wrongs committed against Americans and Canadians of Japanese descent.

Remembered as an icon of human rights in both Canada and the United States, Hirabayashi was active in the National Association of Japanese Canadians, which won a formal apology from the Canadian government for its internment of Japanese Canadians during the war.

In a landmark case, his own conviction for failing to comply with internment orders was overturned at the United States Court of Appeals in 1987. "I never look at my case as just my own, or just as a Japanese-American case. It is an American case, with principles that affect the fundamental human rights of all Americans," Hirabayashi said in *The Courage of Their Convictions* by American author and political scientist Peter Irons.

Hirabayashi's life and his story have been remembered in the play *Dawn's Light: The Journey of Gordon Hirabayashi* and in *Rage* (later renamed *Believer*), a multi-disciplinary dance performance piece created by his son, Jay.

Krahn remembers speaking with Hirabayashi in the mid-1980s, the latter asking him about his research



Gordon Hirabayashi

and taking an interest in his new career. In retrospect, Krahn realizes that Hirabayashi would have been busy at the time preparing and tabling the case for his appeal. It is this engagement and keen interest in others for which he will be remembered.

"He was working on something momentous and yet he was asking me about my research, so I think that's telling," said Krahn. "This was really a remarkable person I got to know." ■

talks & events

Talks & Events listings do not accept submissions via fax, mail, email or phone. Please enter events you'd like to appear in folio and at www.news.ualberta.ca/events. A more comprehensive list of events is available online at www.events.ualberta.ca. Deadline: noon one week prior to publication. Entries will be edited for style and length.

UNTIL FEB. 25

Harry Potter's World: Renaissance Science, Magic and Medicine. Please join us for this exhibit that explores the links between J.K. Rowling's popular Harry Potter book series and the history of science and medicine at the John W. Scott Health Sciences Library.

UNTIL FEB. 28

I'm No Superman: The Comic Collection of Gilbert Bouchard. This exhibition in the Rutherford South lobby features the extensive comic book collection of local arts writer Gilbert Bouchard. The exhibit pays tribute to the life of Mr. Bouchard and his contributions to Edmonton's arts and culture scene and draws attention to what has become an important literary and artistic medium: the comic book.

UNTIL MARCH 20

Ally Sloper and C.H. Chapman. Alexander "Ally" Sloper is the madcap fictional character who appeared in British serialized comics between 1867 and 1916. This exhibit, on display in the Bruce Peel Special Collections Library, highlights a sampling of Sloper's most memorable antics from *Ally Sloper's Half Holiday*, further enriched with a biography of Charles Henry Chapman and original pen-and-ink drawings on loan from Chapman's descendants.

JAN. 24

Open House. Are you a currently registered graduate student at the University of Alberta? Interested in making a difference through collaborative, community-based research and evaluation (CBRE)? The Faculty of Extension and the Community-University Partnership for the Study of Children, Youth, and Families (CUP) invites you to an open house from 11 a.m. to 2 p.m. at 1-16 Triffo Hall (think GSA offices) for fine refreshments and a baritone barista (go ahead, ask him to sing) preparing handcrafted lattes, espresso, and mochaccinos. For more info,

see: <http://www.cup.ualberta.ca/cbre/cbre-certificate-program>.

KIAS Masterclass: Session 3 Field Research 101, led by Dr. Natalie Kononenko, 12 p.m. to 1 p.m., Tory B-109. All registrants will receive awesome information and a free lunch! Make sure you are on the list, or the wait list!

Reconciliation Means Not Saying Sorry Twice, with Cindy Blackstock. Education South, Room 176, 12-2 p.m., presented by the Aboriginal Student Council & APIRG. A member of the Gitksan Nation, Blackstock has worked in the field of child and family services for over 20 years. An author of over 50 publications, her key interests include exploring, and addressing, the causes of disadvantage for Aboriginal children and families by promoting equitable and culturally based interventions. First Nations children receive inequitable government funded services in education, health and child welfare. You will be invited to review the evidence and take action to make a difference for this generation!

Augustana Alumni Social, Calgary. Meet Augustana's new Dean, Dr. Allen Berger, 7:30 p.m. – 9 p.m. Join Allen, Dr. Glynnis Hood and Augustana Alumni in casual conversation at Parker House Grill & Wine Bar, downtown Calgary. For more information and to register please contact Trina Harrison at trina.harrison@ualberta.ca or 780-679-01105. Register today as seating is limited. <http://www.augustana.ualberta.ca/alumni/>

JAN. 25

TED Talks @ Lunch. The U of A Alumni Association and StartUp Edmonton bring the inspirational TED talks to downtown Edmonton. Bring your lunch and be inspired by some of the world's most fascinating thinkers and doers as they present the talk of their lives in 18 minutes. Watch a selected TED Talk video presentation (selection is kept secret) then join the group in a discussion about the

presentation. What better way to feed your mind over the lunch hour? Room 2-926, Enterprise Square, 10230 Jasper Ave., noon – 1 p.m.

Safe Drinking Water—What Should We Fear? Water is essential to human health, but when is it safe to drink? As with many environmental issues, conflicting information abounds, and sometimes it's the scientists doing the misinforming. What's worse, proliferation of bad information can undermine our efforts to ensure safe, clean drinking water for all. Dr. Steve E. Hrudey, professor emeritus in the Faculty of Medicine and Dentistry and chair of the 2010 Royal Society of Canada's Expert Panel on Environmental and Health Impacts of Oil Sands, answers your questions on what we should and should not fear when it comes to the water we drink. Sponsored by the University of Alberta's Environmental Research and Studies Centre and the TELUS World of Science as part of the Toxic Bodies Lecture Series on the science of environmental health. TELUS World of Science, 7 – 8 p.m.

JAN. 26

Digital Labour (or not) in Library and Information Studies Education. A first-stage content analysis of the degree to which the concept of 'digital labour' appears in current library and information studies (LIS) education language indicates that LIS education language appears to treat digital labour reductively; it fails to account for the labour conditions that frame the work. Several trends emerge suggesting that a potential, yet unborn, paradigm in LIS education negates the basic notion of digital labour movement. Recommendations include research into the potential value of teaching and learning about the theory and practice of digital labour, a more sufficient and sophisticated approach to digital labour within LIS education in foundations courses, and a proposed set of possible advanced topics for teaching and learning in LIS education. This public

talk, 12 – 1 p.m., 164 Education South, relates the particular findings of Toni and her co-author Anthony Worman, now documented in a forthcoming publication titled "Digital labour shortage: A new divide in library and information studies education?" (*Information, Society and Justice*, Volume 4 No. 2, December 2011: pp 71-81. ISSN 1756-1078).

Ethics and Public Emergencies. Health care practitioners and policymakers face three core sets of ethical dilemmas in responding to epidemics and other public health emergencies. These may be characterized as the 3 R's: Rationing, Restrictions and Responsibilities. This presentation by Dr. Matthew Wynia, Director, Institute for Ethics, American Medical Association, will explore each of these sets of issues with reference to recent public health events – from the attacks on the US of September 11, 2001, to the global SARS epidemic, and traumatic hurricanes affecting the US Gulf Coast – offering opportunities to consider how communities can be better prepared to handle these challenging ethical issues in future events. Room 201 Law Centre, 12 – 1 p.m.

Articles, Prepositions and Cupcakes. The Centre for Writers invites you to weekly free workshops on the English language and free food at 1-23 Assiniboia Hall, 1 - 2 p.m.

JAN. 28

UAlberta Harry Potter Day: Science, Magic and Medicine. Children ages 7-12 years old are invited to attend the University of Alberta's Hogwarts introductory course. Participate in a series of fun-filled Harry Potter-themed science experiments and other hands-on activities. Activities include the study of potions, care of magical creatures, muggle studies, owls, defense against the dark arts, and so much more! Adults are invited to take in the National Library of Medicine's "Harry Potter's World: Renaissance Science, Magic and Medicine" visiting

exhibit that explores the world of the historical roots of "Harry Potter," a modern literary sensation. All children must be accompanied by an adult. Takes place at the Katz Group Rexall Centre for Pharmacy and Health Research. This event is free but advance registration is required. Please register online at <http://harrypotterday-ualberta.eventbrite.com/>

Music at Convocation Hall presents Joseph Lambert Massart and his Time. Belgian violinist Joseph Lambert Massart (1811-1892) was a pupil of Rodolphe Kreutzer, the famed French violinist and founding father of the Paris Conservatoire. Massart was appointed to the faculty of the Paris Conservatoire in 1843, and trained many of the most successful violinists of the age, from Henryk Wieniawski to Fritz Kreisler. This concert, with Guillaume Tardifon violin and Roger Admiral on piano will offer a rare musical panorama of the so-called 'Franco-Belgian school of violin playing.' Tickets available at the door on the evening of the performance only: \$20 Adults, \$15 Seniors, \$10 Students, \$60 Season Flex Pass. Convocation Hall, Old Arts Building, 8-10 p.m.

JAN. 29

Music at Winspear presents Trial by Fire. University Symphony Orchestra featuring works by Stravinsky & Schumann, 3-5 p.m. A unique chance to explore the unbelievably suspenseful and glowing imagination of Stravinsky and sometimes lugubrious but ultimately joyous world of Robert Schumann. Featuring Stravinsky's *Firebird Suite* and Schumann's *Symphony No. 2 in C*. Also featuring the winner of the University of Alberta Concerto Competition (to be announced). Tickets are \$20 Adults, \$15 Seniors, \$10 Students, \$60 Season Flex Pass, available in advance through the Department of Music (3-82 Fine Arts Building, U of A Campus, 780.492.0601, music@ualberta.ca) or at the door on the evening of the performance.

RE-IMAGINING HEALTH EDUCATION AND DISCOVERY

EDMONTON CLINIC HEALTH ACADEMY

PHOTO: MICHAEL HOLLY

The Edmonton Clinic Health Academy, which officially opened on Jan. 18, is poised to revolutionize health research and education by bringing together teams of faculty, students and clinicians from varying disciplines and professional cultures, with a view to improving the health and wellness of all Albertans.



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INTERIOR PHOTOS: HOK IN ASSOCIATION WITH STANTEC ARCHITECTURE; PHOTOGRAPHY: ROGER BROOKS